



PATENT
ATTORNEY DOCKET NO. DIVER1510-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Jay M. Short	Art Unit:	Unassigned
Serial No.:	09/677,584	Examiner	Unassigned
Filed:	September 30, 2000		
Title:	WHOLE CELL ENGINEERING BY MUTAGENIZING A SUBSTANTIAL PORTION OF A STARTING GENOME, COMBINING MUTATIONS, AND OPTIONALLY REPEATING		

Commissioner for Patents
Washington, D.C. 20231

POWER OF ATTORNEY BY ASSIGNEE

As a below-named assignee of the above-identified application ("Application"):

I hereby appoint the following attorneys of the assignee to prosecute the
Application and to transact all business in the United States Patent and Trademark Office
connected therewith:

JAMES P. CLEARY
TIM ELLIS
CHARLES D. GAVRILOVICH, Jr.
LISA A. HAILE
RICHARD J. IMBRA
SHEILA R. KIRSCHENBAUM
JUNE M. LEARN
TIMOTHY W. LOHSE
TERRANCE A. MEADOR
STEVEN R. SPRINKLE
MARK M. TAKAHASHI
BARRY N. YOUNG

Registration No. 45,843
Registration No. 41,734
Registration No. 41,031
Registration No. 38,347
Registration No. 37,643
Registration No. 44,835
Registration No. 31,238
Registration No. 35,255
Registration No. 30,298
Registration No. 40,825
Registration No. 38,631
Registration No. 27,744

In re Application of:

Jay M. Short

Application No.: 09/677,584

Filed: September 30, 2000

Page 2

PATENT

Attorney Docket No.: DIVER1510-1

Direct all telephone calls to:

LISA A. HAILE, PH.D.

Telephone: (858) 677-1456

Address all correspondence to:

LISA A. HAILE, PH.D.

GRAY CARY WARE & FREIDENRICH LLP

4365 Executive Drive, Suite 1600

San Diego, CA 92121

DIVERSA CORPORATION

a Delaware corporation

By:

Name:

Title:

Date:

Carolyn Erickson

Carolyn Erickson

Vice President, Intellectual Property

4/10/01